

Attorney Docket No.:

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PYRIDOPYRIMIDINONES

the specification of which (check one)

___ is attached hereto.

___ was filed on _____ as U.S. Serial No. or PCT
International Application Number PCT/EP2004/011549
and was amended on 14.10.2004

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of

Attorney Docket No.:

any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?
103 52 979.9	Germany	13.11.2003		

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of **Heller Ehrman White & McAuliffe** to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

PAUL BOOTH	Reg. No. 40,244
PATRICIA D. GRANADOS	Reg. No. 33,683
ROBERT M. HANSEN	Reg. No. 43,656
JOHN P. ISACSON	Reg. No. 33,715
RONALD J. KAMIS	Reg. No. 41,104
JOHNNY A. KUMAR	Reg. No. 34,649
MARVIN A. MOTSENBOCKER	Reg. No. 36,614
COLIN G. SANDERCOCK	Reg. No. 31,298

F02/202-9

978725.9

Attorney Docket No.:

and I request that all correspondence be directed to:

HELLER EHRMAN WHITE & MCAULIFFE
1666 K Street, NW, Suite 300
Washington, DC 20006
Telephone: (202) 912-2000
Facsimile: (202) 912-2020

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	HOELZEMANN, Guenter
Residence	Gutenbergstrasse 6B, 64342 Seeheim-Jugenheim, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	<i>Guenter Hoelzemann</i>
Date	20.06.2006

Name of second inventor	CRASSIER, Helene
Residence	Soderstrasse 94, 64287 Darmstadt, Germany
Citizenship	France
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	<i>Helene CRASSIER</i>
Date	20.06.2006

Attorney Docket No.:

Name of third inventor	ACKERMANN, Karl-August
Residence	Am Pfarrweiher 40, 64372 Ober-Ramstadt, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	<i>Karl-August Ackermann</i>
Date	20.06.2006
Name of fourth inventor	STAEHLE, Wolfgang
Residence	Neuweg 14c, 55218 Ingelheim, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	<i>Wolfgang Staehele</i>
Date	20.06.2006
Name of fifth inventor	JONCZYK, Alfred
Residence	Schepp Allee 57, 64295 Darmstadt, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	<i>Alfred Jonczyk</i>
Date	20.06.2006
Name of sixth inventor	RAUTENBERG, Wilfried
Residence	Magdeburger Strasse 13, 64354 Reinheim, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt
Inventor's signature	<i>Wilfried Rauteberg</i>
Date	20.06.2006

Attorney Docket No.:

Name of seventh inventor

MITJANS, Francesc

Residence

Pujadas 78, 42a, 08700 Igualada, Spain

Citizenship

Spain

Post Office Address

c/o Merck KGaA, 64271 Darmstadt

Inventor's signature

Date

20.06.2006

Name of eighth inventor

ROSELL-VIVES, Elisabet

Residence

Enrique Granados, 43, 08008 Barcelona, Spain

Citizenship

Spain

Post Office Address

c/o Merck KGaA, 64271 Darmstadt

Inventor's signature

Date

20.06.06

Name of ninth inventor

ADAN, Jaume

Residence

Pujol, 28, 08008 Barcelona, Spain

Citizenship

Spain

Post Office Address

c/o Merck KGaA, 64271 Darmstadt

Inventor's signature

Date

20.06.2006

Name of tenth inventor

SOLER RIERA, Marta

Residence

Enrique Granados n° 43, entlo. 2, 08008 Barcelona, Spain

Citizenship

Spain

Post Office Address

c/o Merck KGaA, 64271 Darmstadt

Inventor's signature

Date

20.06.2006

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Merck Patent GmbHApplication No./Patent No.: 10/579,222 Filed/Issue Date: May 12, 2006Entitled: PYRIDOPYRIMIDINONESMerck Patent GmbH, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Ronald J. Kamis
Signature

JANUARY 9, 2007
Date

Ronald J. Kamis
Printed or Typed Name

(202) 312-7440
Telephone Number

Attorney of Applicant
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT AND AGREEMENT

WHEREAS, Guenter Hoelzemann; Helene Crassier; Karl-August Ackermann, Wolfgang Staehle, Alfred Jonczyk and Wilfried Rautenberg (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled

PYRIDOPYRIMIDINONES

for which an application for United States Letters Patent was filed on **14.10.2004** as Application No. **PCT/EP2004>/011549** ; and

WHEREAS, Merck Patent GmbH, having its principal place of business at **Frankfurter Strasse 250, 64293 Darmstadt, Germany** (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Heller Ehrman White & McAuliffe** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Heller Ehrman White & McAuliffe** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAMES AND SIGNATURES OF INVENTORS		
Name: Guenter Hoelzemann	Signature: <i>Guenter Hoelzemann</i>	Date: 20.06.06
Name: Helene Crassier	Signature: <i>Helene CRASSIER</i>	Date: 20.06.06
Name: Karl-Heinz Ackermann	Signature: <i>Karl-Heinz Ackermann</i>	Date: 20.06.06
Name: Wolfgang Staehle	Signature: <i>Wolfgang Staehle</i>	Date: 20.06.06
Name: Alfred Jonczyk	Signature: <i>Alfred Jonczyk</i>	Date: 20.06.06
Name: Wilfried Rautenberg	Signature: <i>Wilfried Rautenberg</i>	Date: 20.06.06
NAMES AND SIGNATURES OF WITNESSES		
Name: Rosemarie Grundke	Signature: <i>Rosemarie Grundke</i>	Date: 20.06.06
Name: Rosemarie Grundke	Signature: <i>Rosemarie Grundke</i>	Date: 20.06.06
Name: Rosemarie Grundke	Signature: <i>Rosemarie Grundke</i>	Date: 20.06.06
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Name: Rosemarie Grundke	Signature: <i>Rosemarie Grundke</i>	Date: 20.06.06

Attorney Docket No.:

ASSIGNMENT AND AGREEMENT

WHEREAS, **Francesc Mitjans, Elisabet Rosell-Vives, Jaume Adan, Marta Soler Riera** (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled

PYRIDOPYRIMIDIONES

for which an application for United States Letters Patent was filed on 14.10.2004 as Application No. PCT/EP2004/011549 ; and

WHEREAS, **Merck Patent GmbH**, having its principal place of business at **Frankfurter Strasse 250, 64293 Darmstadt, Germany** (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations,

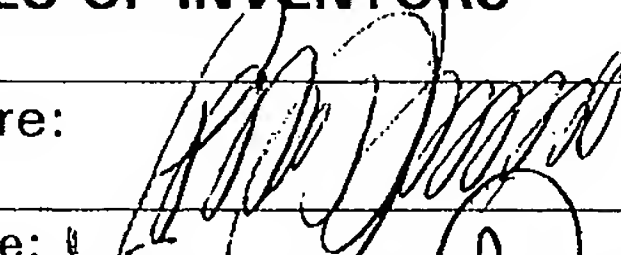
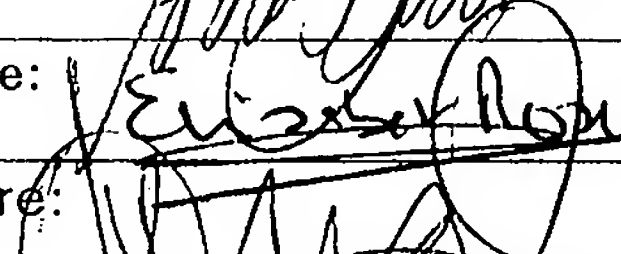
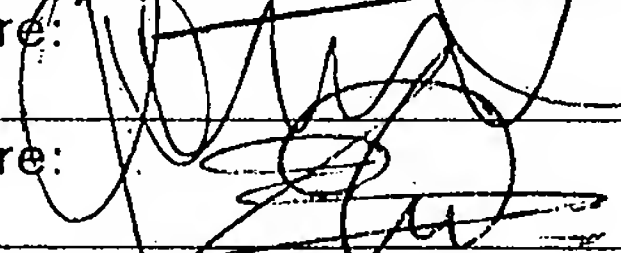
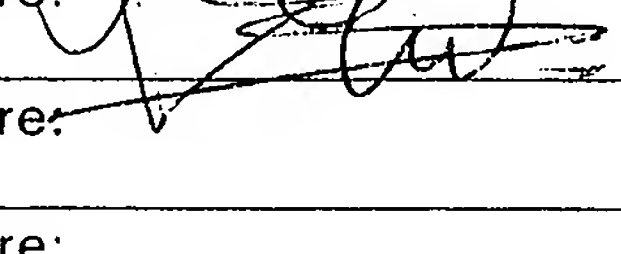
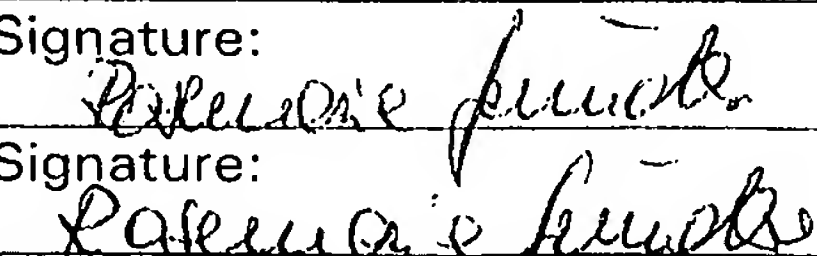
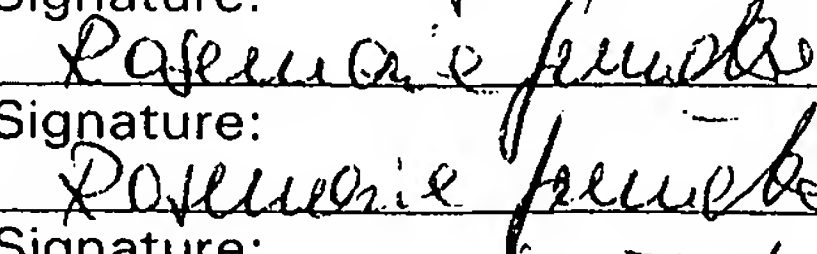
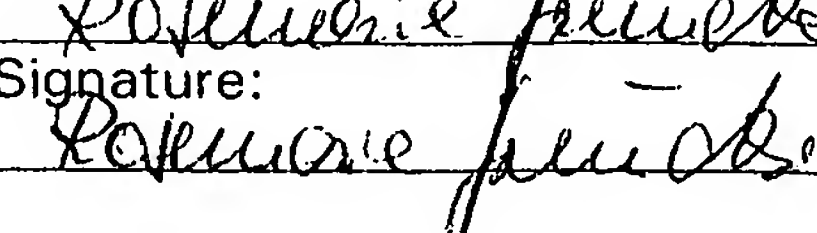
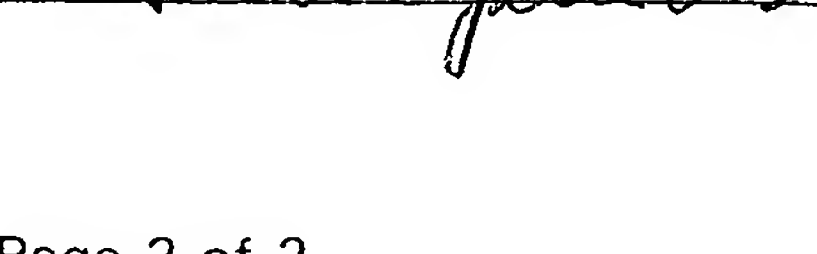
Attorney Docket No.:

depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

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NAMES AND SIGNATURES OF INVENTORS		
Name: Francesc Mitjans	Signature: 	Date: 02.06.06
Name: Elisabet Rosell-Vives	Signature: 	Date: 20.06.06
Name: Jaume Adan	Signature: 	Date: 20.06.06
Name: Marta Soler Riera	Signature: 	Date: 20.06.06
Name:	Signature:	Date:
Name:	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name: Rosemarie Grundke	Signature: 	Date: 20.06.06
Name: Rosemarie Grundke	Signature: 	Date: 20.06.06
Name: Rosemarie Grundke	Signature: 	Date: 20.06.06
Name: Rosemarie Grundke	Signature: 	Date: 20.06.06

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

49442

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

49442

OR

<input type="checkbox"/> Firm or Individual Name	Baker & Daniels LLP		
Address	805 15th Street, NW, Ste. 700		
City	Washington	State	DC Zip 20005
Country	USA		
Telephone	(202) 312-7400	Email	

Assignee Name and Address:

Merck Patent GmbH

Frankfurter Strasse 250

64293 Darmstadt

Germany

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/00 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Hartmann</i>	Date	14 DECEMBER 2006
Name	ppa. Dr. Hartmann	i.v. Dr. Dotzauer	Telephone 011 49 615172 7669
Title	Principal Officer	Authorized Employee	

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1480, Alexandria, VA 22313-1480. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.